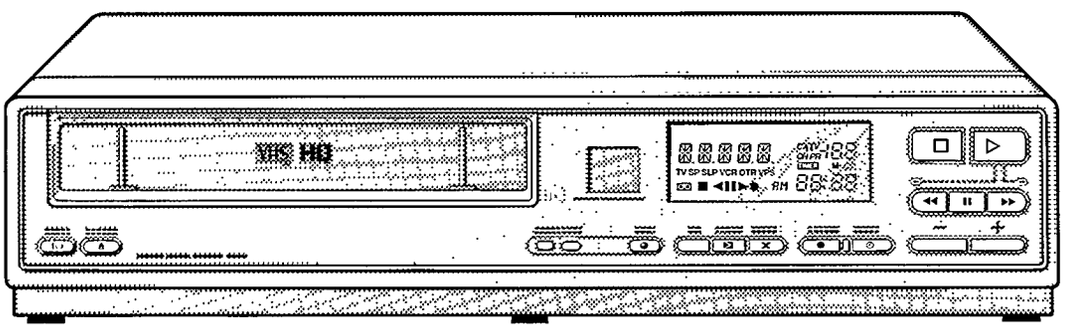
CONSUMER ELECTRONICS

PHILIPS

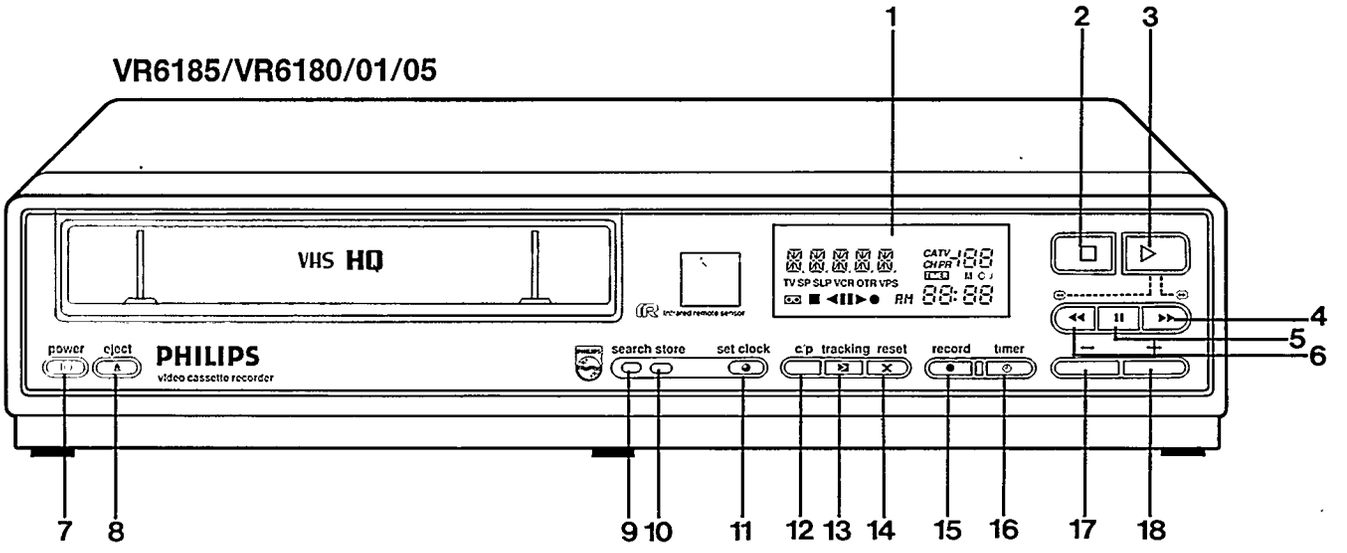


VHS PAL HQ

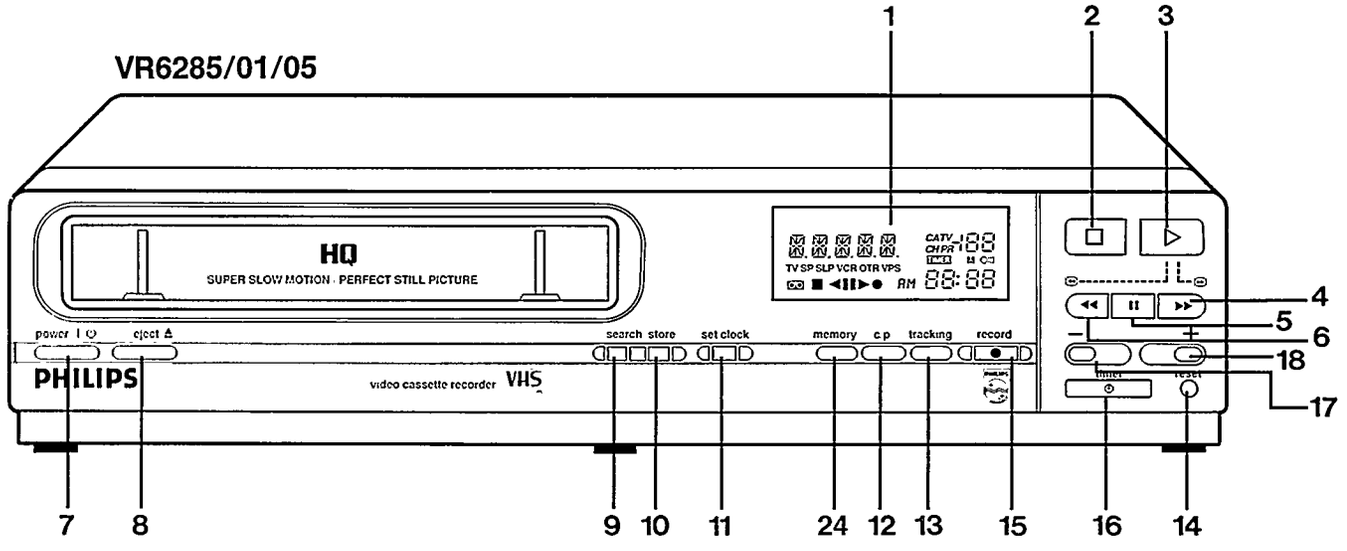
VR6180
VR6185
VR6285

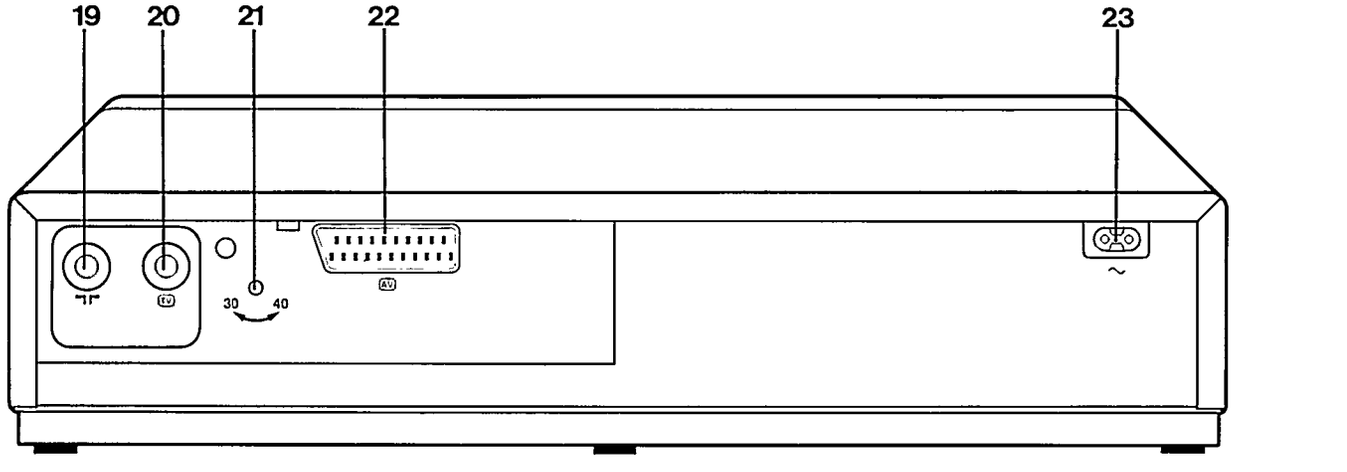
VIDEO RECORDER
VIDEO-RECORDER
MAGNÉTOSCOPE
VIDEO RECORDER
VIDEOREGISTRATORE
VIDEÓGRAFO
VIDEOGRAVADOR
VIDEOMASKIN
VIDEOBÅNDOPTAGER
VIDEOBANDSPELARE
KUVANAUHURI

VR6185/VR6180/01/05



VR6285/01/05





(GB) Operating instructions

Attention!

- Always open this flap page first.

(D) Bedienungsanleitung

Achtung!

- Immer zuerst dieses Umschlagblatt öffnen.

(F) Mode d'emploi

Attention!

- Commencez toujours par ouvrir ce rabat.

(NL) Gebruiksaanwijzing

Attentie!

- Altijd eerst deze flap openslaan.

(I) Istruzioni per l'uso

Attenzione!

- Aprire sempre prima questa pagina pieghevoie.

(E) Instrucciones de manejo

¡Atención!

- Abrase siempre antes que nada esta página.

(P) Modo de emprego

Atenção!

- Abra simpre em primeiro lugar esta página desdobrável.

(N) Bruksanvisning

Merk!

- Denne klaffsiden må alltid åpnes først.

(DK) Betjeningsvejledning

Bemærk!

- Denne klapside skal altid slås op som noget af det første.

(S) Bruksanvisning

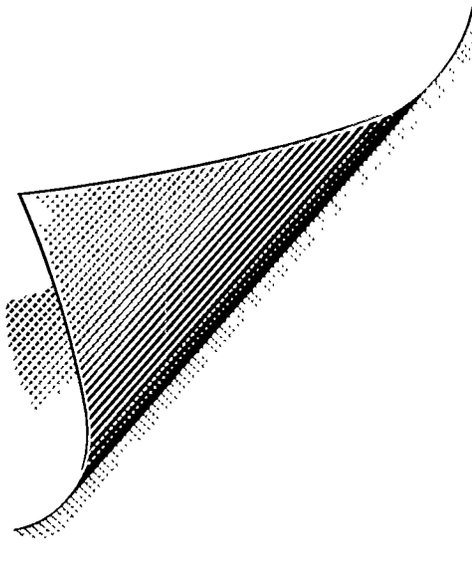
Obs!

- Slå alltid upp den här fliken först.

(SF) Käyttöohje

Huom.!

- Avaa aina ensin kääntösivu.



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Using this book
- All numbers in bold type **1, 2, 3,** etc. refer to the main illustrations on the inside front cover.
- This video recorder incorporates a display which shows various information.
Examples of display readings are used throughout the text.
- All texts with a grey background give additional information.

Remember: Only use cassettes of a well-known brand which carry the VHS-logo.

VHS
PAL SECAM

Packed with this video recorder are:
- Aerial cable
- LCD Remote control unit **AV 5680** for VR 6185/VR 6285
- Remote control unit **AV 5631** for VR 6180
- Mains cable

INTRODUCTION 1

Your VHS video recorder is one of the most sophisticated and simple-to-use home video recorders you can buy.

It offers the following features:
- HQ picture quality
- Frequency synthesized tuning including Hyperband
- 48 TV channel storage capacity
- Calendar programming up to the year 2099
- 4 timer recordings up to one month in advance, with every day, every week recording possibility
- OTR (**O**ne **T**ouch **R**ecording)
- Direct access operation. (You can press any button after any other without pressing the Pause/Stop button □ **2** in between.)
- Auto-operation:
  . auto tracking
  . automatic rewind
  . automatic switch on (Many buttons or inserting a cassette, will automatically **switch on** the video recorder; it is **not** necessary to press On/Standby button I (⏻) **7** first.
  . Automatic assembly (clear continuation when resuming a recording)
  . Auto dimmer (of Display in Standby mode)
  . Automatic switch over to Standby after 8 minutes of no tape movement
- Memory backup of about 3 months for clock and timer setting
- Multifunctional fluorescent display
- Full function infrared remote control including TV functions
- Remote programming
- **Only for VR 6285:** perfect still picture (3 video heads), slow motion, frame advance

General notes:
- If your dealer did not install the video recorder refer to Section 2 'Installation'.

- If something happens which you do not expect, or do not understand, refer to Section 9 'Before you call the repairman'.

Summary of buttons, controls and sockets

Front

1			**Display**
2	□	36	**Pause/Stop button**
3	▷	34	**Play button**
4	▶▶/⏩	55/53	**Wind/Picture Search Forward button**
5	▮▮	52	**Still button**
6	◀◀/⏪	35/33	**Rewind/Picture Search Reverse button**
7	I/⏻	25	**On/Standby button**
8	⏏		**Eject button**
9			**Search button**
10			**Store button**
11			**Set Clock button**
12		30	**C/P (Channel/Programme) selector**
13	⏭	57	**Auto Tracking button**
14	X	47	**Reset button**
15	●	32	**Record button**
16	🕘	49	**Timer button**
17	—*	50	**Down button**
18	+*	48	**Up button**
24		38	**Counter memory button (only for VR 6285)**

Rear

19	⊓	**Aerial in socket**
20	TV	**Aerial out socket**
21	30-40	**30-40 Channel adjuster**
22	AV	**AV Euroconnector socket**
23	~	**Mains socket**

□ Buttons marked □ can also be operated using the infra-red remote control unit.

* To enter desired settings directly (e.g. pre-selection number, time, etc.) you can use the digit buttons (0-9) on the remote control unit instead of the Up/Down buttons on the video recorder (or on the remote control unit).

Note:
See Section 8 for an explanation of the buttons and controls.

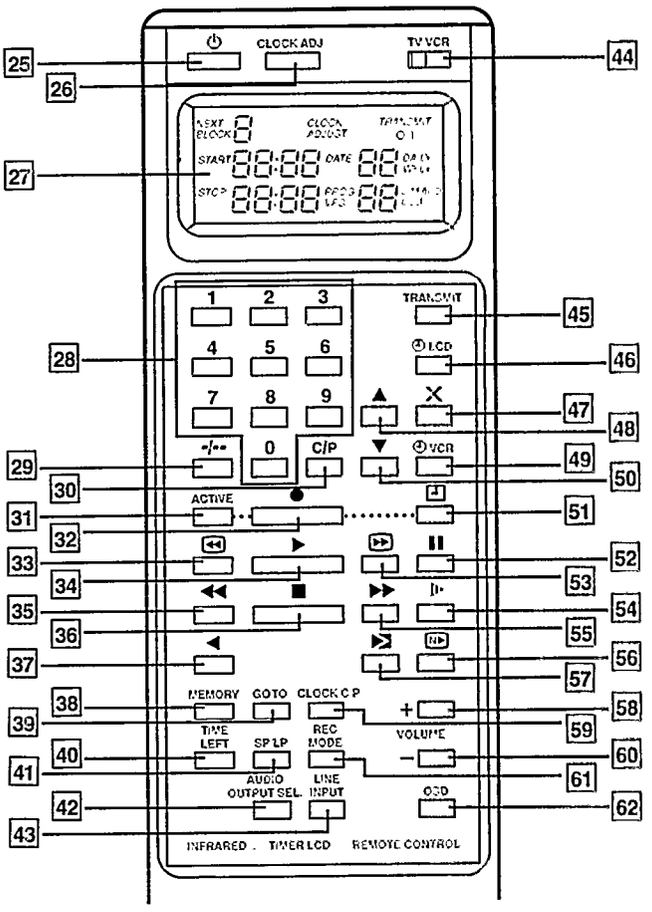
Remote control of the video recorder

You can control all the record and playback functions of your video recorder using the remote control. The video recorder acknowledges the signal from the remote control with the ◎)) symbol on the Display.

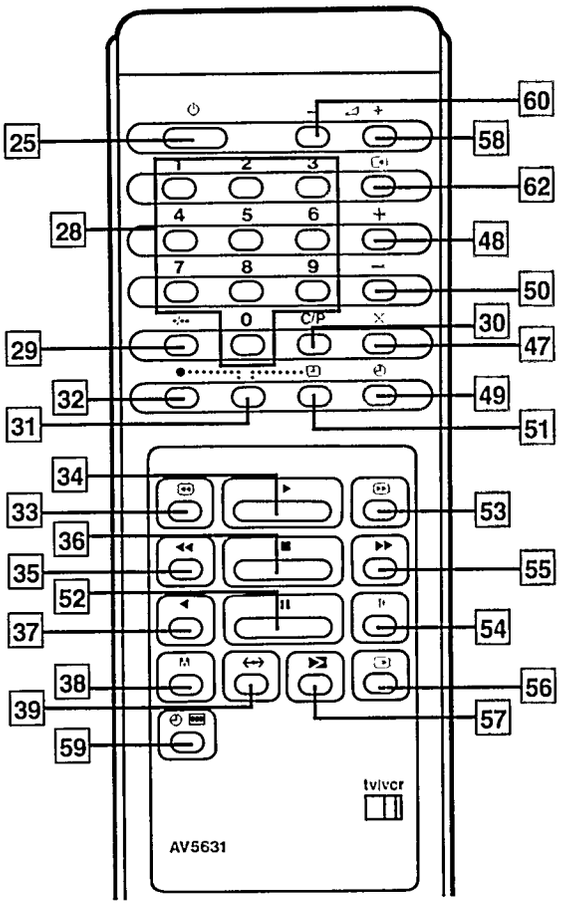
The remote control units are designed to work with a range of products.
Dependent upon the remote control used, not all features for which controls exist on the remote control will necessarily be available on the video recorder.

- Open the cover on the back of the remote control unit.
- Insert the batteries as indicated in the battery holder.

AV 5680



AV 5631



25	⏻	On/Standby button
26	CLOCK ADJ	Clock adjust button
27		Display
28	0-9	Digit buttons
29	-/--	One or two digit entry (e.g. 5 or 15)
30	C/P	Channel/Programme selector
31	ACTIVE	Active button
32	●	Record (press this button and Active button 31 simultaneously)
33	⏪	Picture search reverse
34	▶	Play
35	◀◀	Rewind
36	■	Pause/Stop
37	◀	Play reverse
38	MEMORY	Counter memory (VR 6285)
39	GOTO	Goto
40	TIME LEFT	* Time left button
41	SP/LP	* Tape speed selector
42	AUDIO OUTPUT SEL	* Audio output selector
43	LINE INPUT	Euroconnector/LINE (E/L) input selector (see sections 4 and 6)
44	TV/VCR	TV/VCR switch. In the TV mode you can control several TV functions.
45	TRANSMIT	Transmit button
46	◴ LCD	Timer LCD button
47	X	Clear/Reset
48	▲	Up button
49	◴ VCR	Timer VCR button
50	▼	Down button
51	⏍	OTR (Press this button and Active button 31 simultaneously. Press them once for ½ hour, etc. up to 4 hours)
52	▮▮	Still picture
53	⏩	Picture search forward
54	▮▸	Slow motion (VR 6285)
55	▶▶	Wind
56	⏩	Fast motion
57	◪	- Tracking - Green button in TV mode
58	+ VOLUME	Up volume TV sound in TV mode
59	CLOCK C/P - 000	Clock/counter selector
60	— VOLUME	Down volume TV sound in TV mode
61	REC MODE	* Recording mode selector
62	OSD	* Switching on/off OSD

Important
Instead of using the UP + or DOWN — button **18** *or* **17** *on the video recorder as described in all sections of these Operating Instructions, you may also use the digit buttons (0-9)* 28 *on the remote control unit.*

* No function

Functions not accessible through the controls of the video recorder, only via the remote control:

- Digit buttons (0-9)
- One or two digit entry (-/--)
- Counter/clock selector
- OTR (One Touch Recording)
- Goto (non linear tape counter)
- Normal speed reverse play and fast motion, with the sound muted
- Slow motion **(only for VR 6285)**
- Transmit button

The following functions via 'remote control only' have not been described in the next sections:

29 **One/two digit entry -/--** (for programme or channel numbers)
For a single digit entry select the required number directly.
For a two digit entry first press button -/-- and then the required number.
To return to single digit entry you first have to press button -/-- again.

39 **Go to zero**
You can go to a certain tape position, where you have previously reset the tape counter to 0 (see Reset button X **14**), and start a chosen function from that point. This is useful if for example you want to play back a certain part of a recording more than once.
- Press Go to zero button 39.
- Now press the desired tape function button (for example Play).

The cassette will rewind to the previously marked position and then automatically start your chosen function.

45 **Transmit**
This button may be used to transmit the timer information entered on the remote control to the video recorder.

51 **OTR**
With this button you can make a **O**ne **T**ouch **R**ecording. See Section 4 for more information.

Setting the clock (on the remote control unit AV 5680)

- Press Clock adjust button 26.
The time on Display 27 stops running.
- Enter the actual time with the digit buttons 28.
- Press Clock adjust button 26 once more to end this procedure.

Remote programming

Timed recordings of TV programmes can be programmed with this remote control unit by using Timer button ◴ VCR 49. The sequence of operation is the same as described in Section 5.

To program timed recordings it is also convenient to make use of Timer button ◴ LCD 46 and the digit buttons 28. On Display 27 then all the programming steps will be shown. Again, the sequence of operation is the same as described in Section 5, but the Display information is different and the Up ▲ and Down ▼ buttons 48 and 50 cannot be used. Please do not enter block numbers higher than '4'.
After having entered all programming details, you can send the stored information to your video recorder, with the Transmit button 45.

47 x Clear/reset

Safety instructions

- First check that your supply voltage is the same as that given on the type plate at the rear.

- To avoid short-circuits, which may cause fire or electric shock, do not expose this video recorder to rain or moisture.

- Ensure that no objects or fluids pass through the ventilation openings. If liquid is spilt into the video recorder, disconnect the video recorder from the mains and consult a qualified service technician.

- Dangerous voltage inside. Do not open the cabinet. There are no user serviceable parts inside. Repairs should be carried out by qualified service personnel only.

- Do not poke fingers or insert foreign objects into the cassette loading slot, as this might cause injury and/or damage to the mechanism. Take special care with children.

Precautions!

The manufacturer cannot be held liable for damages which are incurred by not using the video recorder in compliance with the guarantee conditions, safety instructions or precautions.

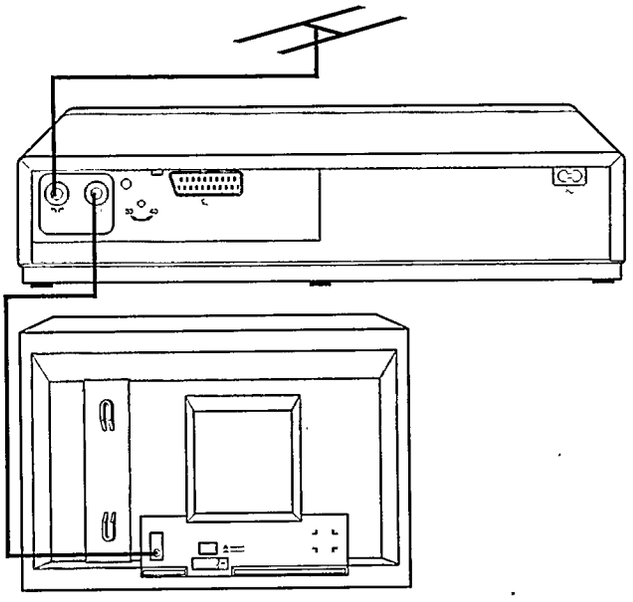
- The video recorder must be positioned in such a way that additional heating by an external source of heat (radiator, etc.) is avoided.
- Ensure that there is at least 20 cm between the video recorder and the TV set, and that air can circulate freely through the ventilation openings of the video recorder.
- Avoid using your video recorder immediately after moving it from a cold to a warm location and vice versa, or soon after heating a cold room, or under conditions of high humidity.
- Avoid using the video recorder on soft surfaces or near appliances generating strong magnetic fields (e.g. motors, transformers).
- Do not use the video recorder in dusty places or where it may be subject to vibration.
- If you have to transport your video recorder, do not leave a video cassette loaded and avoid violent shocks.

INSTALLATION 2

If your dealer did not install and set up the video recorder for you, follow the instructions in this section.

Once the video recorder is installed, you can still use the TV set in the normal way, but strictly in compliance with the safety instructions and precautions in the introduction.

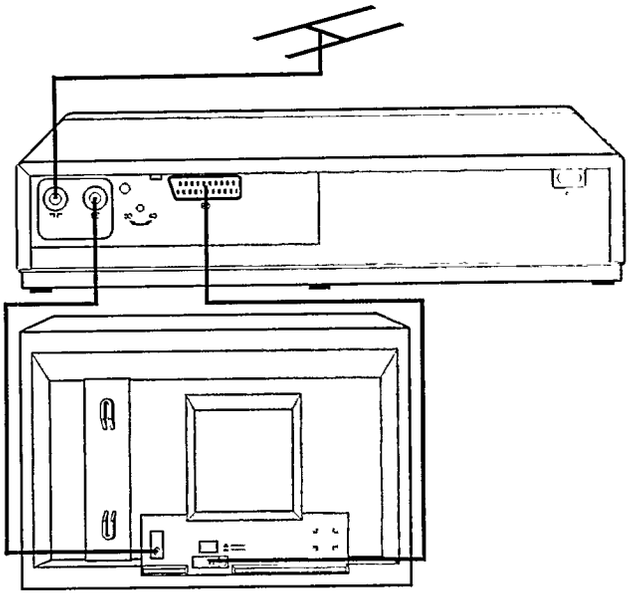
Aerial connection



- Remove the aerial cable from the TV set and plug it into Aerial in socket ⅂Γ **19** at the rear of the video recorder.
- Take the aerial cable supplied and connect it from Aerial out socket TV **20** of the video recorder to the aerial socket ⅂Γ of the TV set.

Extra connection possibility

Connecting your video recorder to the TV set via the Audio/Video (A/V) Euroconnector



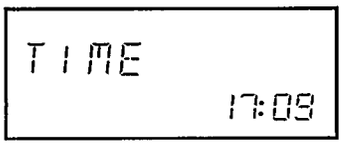
- If your TV set has an AV Euroconnector socket, you may find that you can improve the picture quality during playback by connecting this socket to the AV Euroconnector AV **22** on the video recorder using a special Eurocable.
The AV mode must be selected on your TV set.
- See the Operating Instructions for your TV set for the exact location of such a socket, and how to select the AV mode. Consult your dealer for the correct Eurocable.

Connection to the mains

- Connect the mains lead to the Mains socket ~ **23** at the rear of the video recorder.
- Connect the other end of the mains lead to the mains supply.

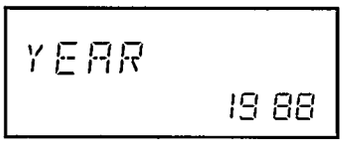
Setting the clock/calendar

Ⓐ Press Set Clock button ◕ **11**.
Display **1** shows:



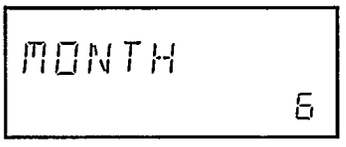
- Use Up + or Down — button **18** or **17** to set the correct time. (Pressing either of these buttons once alters the time slowly; keeping either button depressed changes the time quickly.)
The time is shown in 24-hour form; for example, nine minutes past five in the afternoon is shown as '17:09'.

Ⓑ Press the Set Clock button ◕ again.
The Display shows:



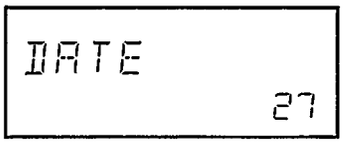
- Use the Up + or Down — button to set the correct year.

Ⓒ Press the Set Clock button ◕ again.
The Display shows:



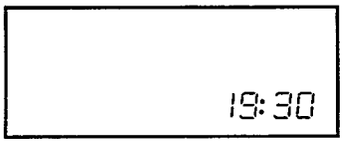
- Use the Up + or Down — buttons to set the correct month (between 1 and 12).

Ⓓ Press the Set Clock button ◕ again.
The Display shows:



- Use the Up + or Down — button to set the correct date (between 1 and 31).

Ⓔ Press the Set Clock button ◕ once more.
If the video recorder is in Standby the Display shows the current time again.



The clock/calendar is now set and will remain accurate while the video recorder is connected to the mains, and for three months after it has been disconnected.

Note:
The clock/calendar can also be set using the digit buttons (0-9) [28] on the remote control unit instead of using the Up + or Down — button **18** and **17**.

Tuning the TV set to receive the signal from the video recorder

What is a channel number?
TV stations transmit their programmes on various channel numbers These channel numbers may also be obtained from the broadcasting authority or from your cable TV company.

What is a pre-selection (programme) number? (or pre-selection button)
On your TV set and your video recorder you can store the channel numbers under a pre-selection number. Via these numbers (or buttons) you can later choose the TV stations you want to watch or record.

Important!
You may proceed to 'Searching for and storing TV stations' if the TV set and the video recorder are additionally connected via their Euroconnectors. In this case refer to the Operating Instructions of your TV set on how to switch over the TV set to the 'external (A/V) mode'.
If they are connected additionally, you may also proceed directly to Section 3 'Playback of a cassette', if you just want to play back a cassette and do not want to record TV programmes now.

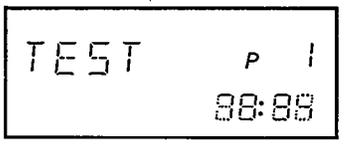
With your video recorder you can record TV programmes coming in via Aerial in socket ⊓ **19**.
In the playback mode, recorded programmes are being transmitted to the TV set via Aerial out socket TV **20**.

In order to receive the video recorder signal, you first have to tune the channel selector of the TV set to the RF output of the video recorder as follows:

Ⓐ Switch on the TV set.

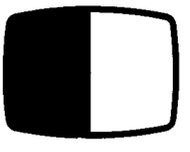
Ⓑ Press Eject button ▲ **8**.

Ⓒ Press Play button ▷ **3**.
Display **1** shows for example:



Ⓓ Most modern TV sets have a number of pre-selection buttons (or pre-selection numbers) used to select TV stations. One of these pre-selectors has been reserved for the video recorder signal. Use of any other pre-selector may cause distortion in the upper part of the picture during playback of a cassette.
Refer to the TV Operating Instructions to determine which pre-selection button or number to choose.

- Select this pre-selection button or number on the TV set and tune it until the TV screen shows a picture which has the following black and white pattern:



This should be around UHF channel 37.

Note:
If your TV set has auto search tuning, you now have to store this channel on the chosen pre-selection number (see the TV Operating Instructions).

Ⓔ Check whether the reception of any TV station has been changed in picture quality (disturbed or weakened snowy picture). This might be the case when that particular TV station is broadcasting around channel 37 UHF.

- In this case, turn with a small screwdriver the 30-40 Channel adjuster **21** on the rear of the video recorder until the TV station is received properly.
If necessary repeat this procedure.

Ⓕ Press On/Standby button I ⏻ **7** once you have finished tuning.

Note:
If you want to play back a prerecorded cassette immediately, you may now proceed directly to Section 3 'Playback of a cassette'.

If you want to record TV programmes afterwards, you first have to follow the instructions in 'Searching for and storing TV stations'.

Searching for and storing TV stations (on the video recorder)

The video recorder has its own tuner, which enables it to receive TV transmissions independent of your TV set.
Your video recorder is also equipped with an FST (Frequency Synthesized Tuning) system. This allows searching TV stations and storing them on pre-selection numbers in the video recorder's memory.

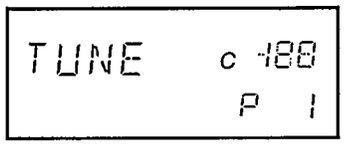
The pre-selection numbers will be used later to specify which TV station is to be recorded.

You can store up to 48 preferred stations using either Method 1 or 2 below:

Method 1 - 'Electronic search'

Condition:
- The TV set is switched on and its pre-selection button or number for the video recorder is selected.
- The video recorder is switched on using Pause/Stop button □ 2.

Ⓐ Press Search button **9**.
The video recorder starts searching across the wavebands for a TV channel on which a TV station is transmitting.
The Display shows for example:



Note:
The Hyperband is indicated by channel numbers which are composed of 3 digits, from 100 to 120.

- Once a TV station has been found the programme being broadcast is shown on the TV set.
The Display shows for example:

Note:
If the picture on the TV is poor, this TV station is too weak to be received properly. In this case press the Search button **9** again.

Ⓑ Check which TV station has been found by comparing the programme with the stations on your TV set.
You can do this by pressing the pre-selection buttons (or selecting the pre-selection numbers) on the TV until you have found the same programme.

Ⓒ On the TV, press the pre-selection button or select the pre-selection number again which is reserved for the video recorder.

Ⓓ Assign a pre-selection (programme) number to this TV station (any number between 1 and 48 is possible).
Use the same numbers as on the corresponding pre-selection button (or pre-selection number) on your TV.

- You can do this by pressing Up + or Down — button **18** or **17** as necessary until the Display shows the pre-selection (programme) number (P) you wish to assign to this TV station.

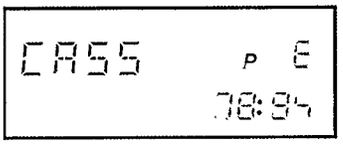
Ⓔ Press Store button **10**.

- Repeat steps Ⓐ to Ⓔ to store all the TV stations you require.

General notes:
- If you store a TV station under a number that is already used, the new station will be stored, and the old TV station will be deleted.
This can be useful if you find better reception of a TV station which has already been stored.

- If you want to stop the search, press Pause/Stop button □ **2** or On/Standby button I ⏻ **7**.

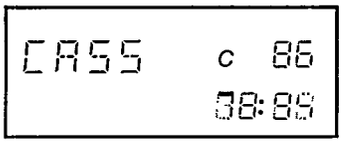
- Once you have stored all your preferred channels you can use the Up + and Down — buttons to select these channels on their pre-selection (programme) numbers (in numerical sequence).
If the Display shows indication 'E', you have selected input via AV Euroconnector AV **22** (see Section 6)



Method 2 - 'Direct channel selection'

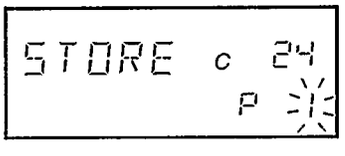
Condition:
- The TV set is switched on and its pre-selection button or number for the video recorder is selected.
- The video recorder is switched on pressing Pause/Stop button □ 2.

Ⓐ Press C/P button **12** once or twice until indication 'C' followed by a channel number appears on Display **1**.
If no cassette is loaded the Display shows for example:



Ⓑ Select the desired channel number using either Up + or Down — button **18** or **17** or the digit buttons (0-9) on the remote control unit.

Ⓒ Press Store button **10** to store this TV channel.
The Display shows for example:



Ⓓ Assign a pre-selection (programme) number to this TV channel using either Up + or Down — button **18** or **17** (any number between 1 and 48 is possible).
Use the same numbers as on the corresponding pre-selection buttons (or numbers) on your TV.

Ⓔ Press Store button **10** again to store the TV channel under this pre-selection (programme) number.

- Repeat steps Ⓐ to Ⓔ to store all your preferred channels (maximum 48).

Tuner only mode

It is possible to use your video recorder as a TV tuner. This means that you can leave your TV set on the pre-selection number for the video recorder and select the stations for TV viewing.

- The tuner only mode can only be selected from the standby mode. In the standby mode only a time indication is shown on the Display.
You can switch the video recorder to standby by pressing On/Standby button I ⏻ **7**.

- You can now select the stations for TV viewing using the Up + or Down — button **18** and **17**.
These stations may be selected on their pre-selection numbers or on their channel numbers, depending on the use of the C/P button **12**.

There are up to 48 TV station pre-selections.
If you have a TV set without a cable TV tuner, you can receive cable TV transmissions via your video recorder.

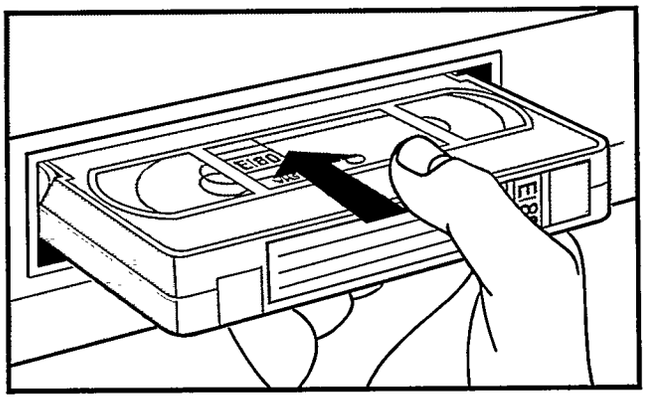
Note:
The video recorder stays in the Tuner only mode without time limit. Pressing any tape transport button or On/Standby button I ⏻ **7** cancels the Tuner only mode.

PLAYBACK OF A CASSETTE

3

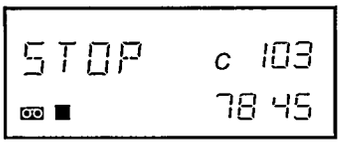
Condition:
- The TV set is switched on, and
- On the TV set, the pre-selection button or number for the video recorder is selected (or the 'external mode' is selected if you want to make use of the Euroconnector).

Loading and playback of a cassette



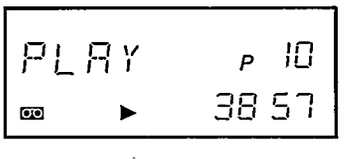
Ⓐ Hold the cassette with the title label facing you and the window side up, and push it into the cassette holder.

When you let go of the cassette, it will be caught and drawn inside automatically.
The Display shows for example:

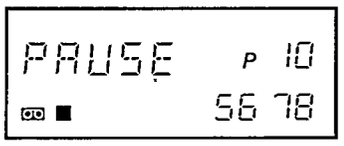


Notes:
- The cassette cannot be inserted upside down. Automatic loading is only possible if the cassette has been inserted correctly.
- Do not attempt to pull out the cassette, once automatic loading has started.
- It is also possible to load a cassette when the video recorder has been switched off with On/Standby button I ⏻ **7**.
Inserting a cassette will switch on the video recorder automatically.

Ⓑ Press Play button ▷ **3**.
The recorded programme will be shown on your TV set.
The Display shows for example:



Ⓒ Press Pause/Stop button □ **2** once to interrupt playback or twice to stop playback, or press Eject button ▲ **8** to eject the cassette.
The Display shows for example:



Note:
When the tape reaches the end in the playback mode, it is automatically rewound to the start again.

Additional playback functions

a. Picture search
b. Still picture.
Perfect still picture and frame advance for VR 6285 (3 video heads).
c. Slow motion **(only for VR 6285)**
d. Fast motion
e. Play reverse (normal speed reverse).

See Section 8 for more information about the functions a and b. Functions c, d and e can only be controlled via the remote control unit (see also Section 1).

General notes:

- Automatic tracking
When playing back prerecorded cassettes the picture may be affected by horizontal 'bands' of noise or the sound may be disturbed.
In this case, press Auto Tracking button ⧓ **13**. The video recorder will now automatically find the best playback quality within 8 seconds.
During tracking the sound is muted.

- Manual tracking
When very poor recordings are played back, you might not find the optimal playback quality by using Auto tracking.
In this case you may interrupt Auto tracking by pressing Play button ▷ **3** at the very moment optimal playback quality has been reached.

MANUAL RECORDING OF TV PROGRAMMES

4

Important!
- *First read through and follow the instructions in Section 2 'Installation', if you have not already done so.*

- *Your TV set need **not** be switched on. However, it it is on, you can change to another TV station on your TV set without interfering with the programme being recorded.*

General notes:
- If no cassette is loaded when trying to make a recording, 'CASS' lights up on Display **1**
- If a protected cassette is loaded, 'PROT' lights up on the Display.
- If the end of the tape is reached during recording, the cassette will be ejected and the video recorder will switch itself to Standby automatically.

Normal recording

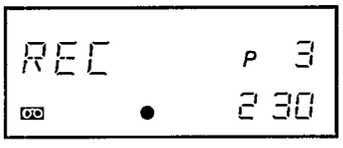
Ⓐ Load an unprotected cassette and wind or rewind as necessary.

Ⓑ Press Up + or Down — buttons **18** or **17** to select the TV station to record from.

Note:
Select indication 'E' if you want to record the input from an external source via AV Euroconnector [AV] **22**
('E' is below pre-selection number '1' and above pre-selection number '48'.
'E' may also be selected using input selector [43] on the remote control unit)
See also Section 6.

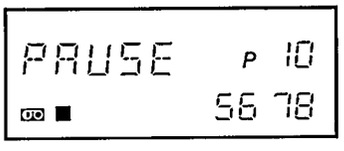
If the TV set is switched on and its pre-selector reserved for the video recorder is selected, the programme received will be shown on the TV screen.

Ⓒ Press Record button ● **15** when the TV programme starts.
The Display shows for example:



Note:
The pre-selection (programme) number or channel number can be changed, even after the recording has started

Ⓓ If you want to interrupt the recording temporarily, press Pause/Stop button □ **2** once.
The Display shows for example:



- Press the Record button ● again (within 8 minutes) if you want to resume recording. This ensures a clean continuation ('automatic assembly').

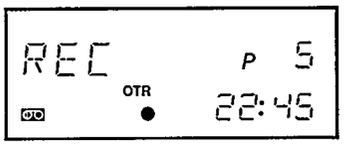
Ⓔ Press Pause/Stop button □ **2** twice to stop the recording, or press Eject button ▲ **8** to eject the cassette.

One Touch Recording (OTR) (via remote control only)

This feature is useful if for example you are already watching a TV programme, and you want to record for a pre-determined time and then let the video recorder switch to standby automatically.

Ⓐ First check that the correct TV station has been selected on the video recorder by means of the Up + or Down — button **18** and **17**.

Ⓑ Press OTR button [51] and Active button [31] on the remote control simultaneously to start the recording.
The Display shows for example:



Ⓒ Each time you press OTR button [51] and Active button [31] the recording time is extended by 30 minutes.

Note:
The OTR-recording is cancelled immediately if you press any tape transport button (other than Record button ● **15**) or On/Standby button I ⏻ **7**.

Sleep function
The One Touch Recording is also useful if you want to let the video recorder finish a manually started recording automatically, for instance when you are going to sleep.
In this case press OTR button ⏲ 51 and Active button 31 as many times as required to continue and finish the recording.

TIMED RECORDING OF TV PROGRAMMES

5

You can program the video recorder to switch itself on and record a TV programme at a particular time, and on a particular date up to 1 month in advance, or every day, or every week at the same time.

Details of the TV programmes to be automatically recorded are stored in 'programming-blocks'.
There are 4 blocks available, so you can program the video recorder to record 4 different TV programmes successively.

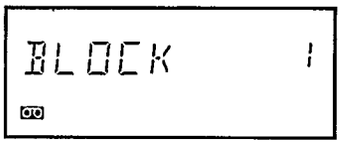
Important!
- *First read through and follow the instructions in Section 2 'Installation', if you have not already done so.*

- *Your TV set need **not** be switched on or tuned to the station you want to record.*

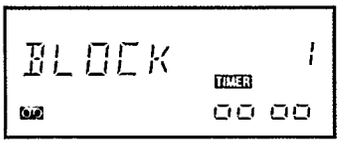
Note:
Programming a timed recording can be done using the video recorder controls or the remote control unit (for remote programming, see also Section 1).

Programming a timed recording

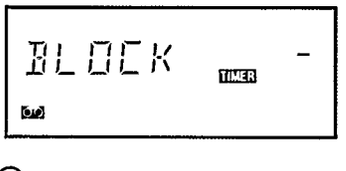
Ⓐ Press Timer button ◴ **16**.
Display **1** shows for example:



Notes:
- If a block has already been programmed, the Display will show for example:

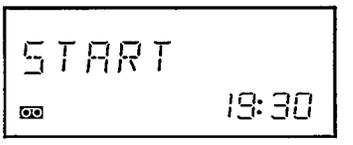


- If all 4 blocks are programmed the Display shows:



Ⓑ Select the block you want to program using Up + or Down — button **18** or **17**.

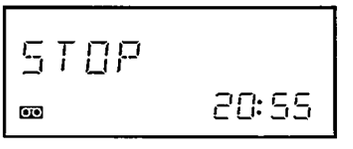
Ⓒ Press the Timer button ◴ again.
The Display shows for example:



Ⓓ Use the Up + or Down — button to set the correct start time. (Give the time in 24-hour form; for example, one minute past eight in the evening has to be entered as '20:01'.)

Note:
Pressing the Up + or Down — button **18** or **17** once, changes the time by one minute. Keeping the Up + or Down — button pressed, changes the time rapidly.
(As a short cut, press Reset button X **14** to set the start time to 20:00.)

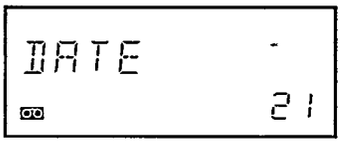
Ⓔ Press the Timer button ◴ again.
The Display shows for example:



Ⓕ Use the Up + or Down — button again to set the time at which you want the recording to stop.

Note:
To set the stop time to the previously set start time (in our example 20:01), you may press Reset button X **14** first.
You can now change it into the stop time (e.g. 21:35).

Ⓖ Press the Timer button ◴ again.
The Display shows for example:

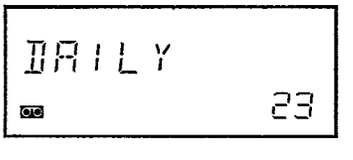


Ⓗ Use the Up + or Down — button again to set the date on which you want the recording to start.

Examples:
- '1' is the first of the month, '2' is the second and so on up to '31'.
- If today is the 16th of the month and you program the date as '14', the recording will be made on the 14th of next month.

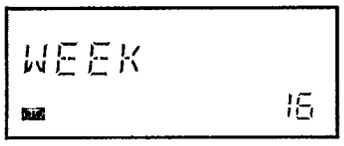
Note:
For a TV programme starting at midnight (0:00), give the date of the following day.

Regular daily recordings
When recordings have to take place at the same time every day, you have to press Reset button X **14** and/or the Up + or Down — button until the Display shows:



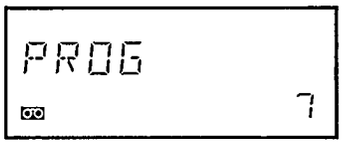
The date on which the recording has to be made for the first time is shown on the Display as well. You can change it with the Up + or Down — button.

Regular weekly recordings
When recordings have to take place at the same time and on the same day every week, you have to press Reset button X **14** and/or the Up + or Down — button until Display **1** shows:



The date on which the recording has to be made for the first time is shown on the Display as well You can change it with the Up + or Down — button.

Ⓘ Press Timer button 🕘 **16** again.
The Display shows for example:



Ⓙ Press the Up + or Down — button to select the correct TV station to be recorded.

Ⓚ Complete programming by pressing Timer button 🕘 **16** once more.
The 'TIMER' indication on Display **1** lights up.

Important notes:
- The Display may also show a warning:
'CASS' indicates that no cassette is loaded.
'PROT' indicates that a protected cassette is loaded which will be ejected.
Ensure that an unprotected cassette is loaded and enough tape length is available at the time a timed recording is due to take place.

- A timed recording will only be made if, at the time it is due to take place, the video recorder is in the standby mode.
If the programmed recording is due to take place, the timer will automatically switch on the video recorder.

- **Before** a timed recording is activated, **manual operation** is always possible.
If you are using the video recorder manually (e.g. Play or Stop) or the video recorder has not been switched to standby at a time when a programmed (timed) recording is **due to** take place, **manual operation takes priority**, so that the timed recording will not take place.
The 'TIMER' indication on Display **1** will flash.

You can then still start the timed recording by pressing On/Standby button I ⏻ **7** until the Display shows 'REC'.
The 'TIMER' indicator will stop flashing now.

- **During** a timed recording, **manual operation is not possible**, except when On/Standby button I ⏻ **7** has been pressed first.

- When the tape reaches the end when a recording is being made, it will be ejected automatically and the video recorder is switched to standby.

- If you want to re-use the previously stored data of a block, you only have to re-program the stop time again by pressing the Up + and Down — buttons once.

Programming example

Step	Button	Display	
			*17:09
Ⓐ	Timer 🕘	BLOCK 1	
Ⓑ	+ or —	BLOCK 2	
Ⓒ	Timer 🕘	START	19:30
Ⓓ	+ or —	START	21:00
Ⓔ	Timer 🕘	STOP	20:55
Ⓕ	+ or —	STOP	23:00
Ⓖ	Timer 🕘	DATE	21
Ⓗ	+ or —	DATE	24
Ⓘ	Timer 🕘	PROG	7
Ⓙ	+ or —	PROG	3
Ⓚ	Timer 🕘		*17:15

* Is current time

Checking or changing block details

You can check or change the details of a block as follows:

Ⓐ Press Timer button 🕘 **16.**

Ⓑ Press Up + or Down — button **18** or **17** until the Display shows the required block to be checked or changed.

Ⓒ Press the Timer button 🕘 again.
The Display shows the start time of the recording.

Ⓓ If you press the Timer button 🕘 repeatedly, the Display shows the stop time, the date and the programme number.
You can change the details as they appear using Up + or Down — button.

Ⓔ Press Timer button 🕘 once more.

Clearing a block

You can clear a block of a recording already in progress or of a recording which has not yet started:

Ⓐ Press the Timer button 🕘 **16.**

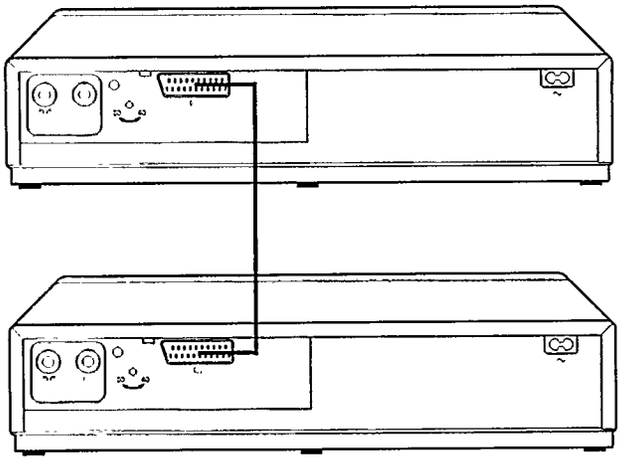
Ⓑ If necessary, use Up + or Down — button **18** or **17** to select the block to be cleared.

Ⓒ Press Reset button X **14** to clear the block.

OTHER RECORDING POSSIBILITIES 6

Recording from another video recorder (copying)

Copying from another video recorder is possible using AV Euroconnector 22 if both sets are equipped with this socket: In this way a better picture quality is obtained.



Ⓐ Insert the pre-recorded cassette in the playback video recorder and a video cassette with an intact erasure prevention tab in the recording video recorder.

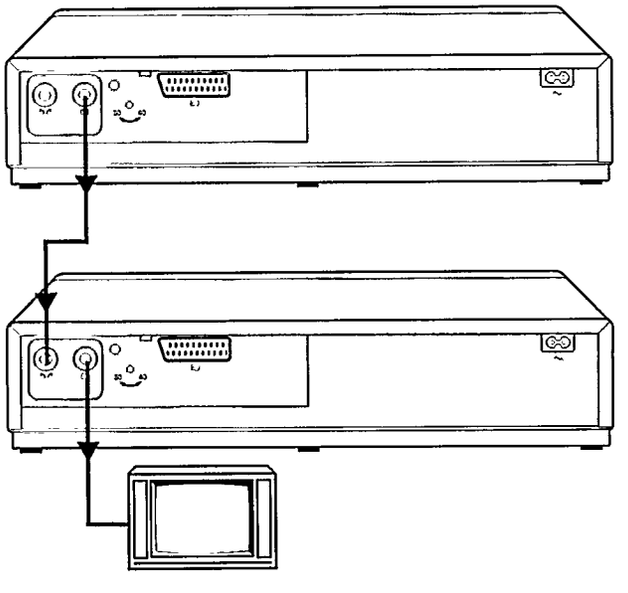
Ⓑ Select indication 'E' on the recording video recorder using Up + or Down — button **18** or **17**.
('E' is below pre-selection number '1' or above pre-selection number '48'.)

Ⓒ Press Record button ● on the recording video recorder.

Ⓓ Press the Play button ▷ on the playback video recorder.

Ⓔ Press the Pause/Stop button □ on both video recorders to stop copying.

Copying from another video recorder is also possible by means of the aerial in ⅂[and aerial out 20 sockets 19 and 20.



Ⓐ Connect the aerial out socket 20 on (your) recording video recorder to the aerial in socket ⅂[on the TV set as for normal installation.

Ⓑ Use another aerial cable to connect aerial in socket ⅂[**19** on your recording video recorder to the aerial out socket 20 on the playback video recorder.

Ⓒ Switch on the TV set and select on it the pre-selection button or number for the video recorder.

Ⓓ Insert a pre-recorded cassette and press the Play ▷ button on the playback video recorder.

Ⓔ Select the channel number on the recording video recorder on which the playback video recorder is transmitting.
With most video recorders this is around UHF channel 37 (see the Operating Instructions of the playback video recorder).

You can do this using the C/P button **12** and the the Up + or Down — buttons **18** and **17**.

Ⓕ Insert a video cassette with an intact erasure prevention tab in the recording video recorder, and press Record button ● on the recording video recorder.

Important note:
You are not allowed to copy pre-recorded tapes if this infringes copyright or other rights of third parties.

CASSETTES 7

Only use VHS cassettes.
A range of blank cassettes is available from E-30 (1/2 hour) to E-240 (4 hours).

Storing cassettes

Cassettes should be stored:
- vertically, and
- at room temperature.

Cassettes should be kept away from:
- dust,
- extreme humidity,
- bright sunlight,
- loudspeakers,
- electric motors,
- transformers, and
- magnets.

To prevent tape damage, avoid storing a half wound cassette. First rewind the tape to the beginning, then store.

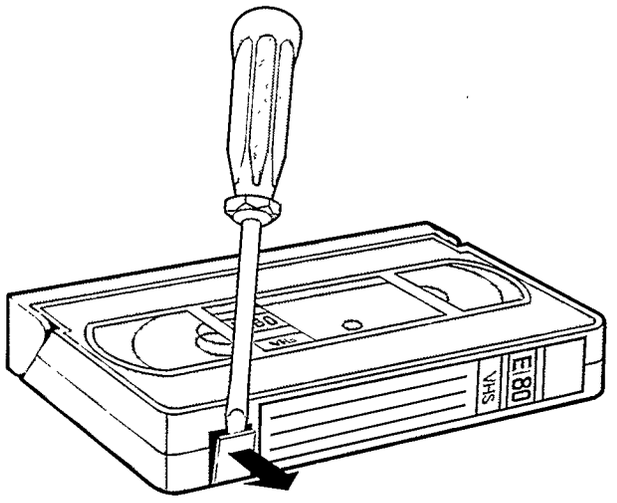
Do not:
- dismantle the cassette (this may cause damage to the tape and/or the video recorder mechanism).
- Never touch the tape.

Recording and re-recording

What you should do:
- note down the start and finish tape position readings on Display **1** when you record a cassette;
- write down the readings on the index card.

Note:
When you record on a cassette, any previous recording on that part of the tape is erased.

Protecting recorded cassettes

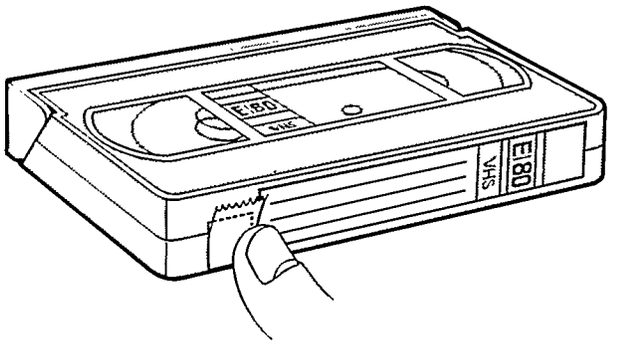


To prevent re-use and erasure of recordings which you wish to keep indefinitely, remove the erase prevention tab on the rear edge of the cassette.

(Use a screwdriver or similar instrument to break off the tab from the cassette.)

If you attempt to record again on this cassette, it will be automatically ejected from the video recorder.

Un-protecting cassettes



If, after a period of time, you wish to record on a protected cassette, you first have to cover the hole from which the tab was removed with adhesive tape.

Care should be taken that the adhesive tape does not become detached, as it may damage the video recorder.

Cassettes should be inspected before use, and any partly-detached adhesive tape replaced before inserting into the video recorder.

EXPLANATION OF BUTTONS AND CONTROLS

8

The buttons described in this section are of various types
Operation buttons: e g Play, Record, Wind/Picture search forward.
Pressing one operation button cancels the others, and pressing 'Stop' ends any operation
Toggle buttons: e.g. Pause/Stop, Channel/Programme
Pressing a toggle button usually turns a special mode on and off or selects two complementary modes one after the other.
Menu buttons: Pressing a menu button opens and/or closes the video recorder's memory for information input
e.g. channel number information when using the Search and Store buttons
e g. time information when using Set Clock button
e g. programming information when using the Timer button

1 Display

- When the video recorder is in standby, the Display shows the current time.
(If the Display shows the wrong time, set the clock as described in Section 2.)

- The Display comprises several indicators which show the current operation, for example 'PAUSE'.

- When setting the clock or programming the timer, the Display shows the information you are changing. The previous mode will be displayed again when the new instructions have been completed.

- A tape counter position is also shown when the video recorder is on and a cassette is loaded.
The tape counter is automatically reset to zero after rewinding a cassette.

- After pressing C/P button **12** once or twice, a channel number consisting of 'C' and 2 digits (or 3 digits for Hyperband), or a pre-selector (programme) number consisting of 'P' and 2 digits lights up on the Display.

2 Pause/Stop □

When Pause/Stop button □ is pressed once during playback or during recording, the tape movement stops temporarily.
The Display shows 'PAUSE'.
If you later continue recording (within 8 minutes), you will get a clean continuation or 'automatic assembly'.

Press this button twice to stop the recording or playback completely.
The Display shows 'STOP'.

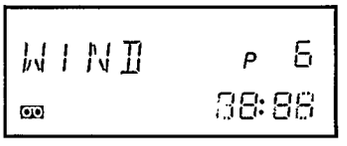
Notes:
- The video recorder will automatically switch to 'STOP' after 8 minutes in the pause mode to avoid tape wear
- After 8 minutes in the stop mode the video recorder automatically switches to standby

3 Play ▷

When this button is pressed, the cassette is played back.
(If no cassette is loaded, the Display shows 'TEST'; the black and white test pattern is shown on the TV set.)

4 Wind/Picture search forward ▶▶/⏩
This button has a double function:

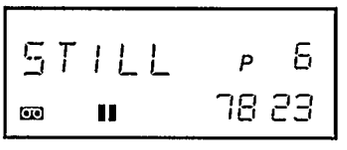
- Wind ▶▶ - when the video recorder is **not** in any play or record function, pressing this button will make the cassette wind at high speed.
The Display shows for example:



(If no cassette has been loaded 'CASS' is shown on the Display.)

- Picture search forward ⏩ - when the video recorder is in any play or record function, pressing this button will play the cassette forwards at 7 times normal speed. This allows you to quickly find a particular scene.
In this mode the sound is muted.
The Display shows for example:

5 Still ▮▮
- When this button is pressed during playback, a still picture is shown.
The Display shows for example:



- Each time you press this button a new still picture is shown.

- If you keep Still button ▮▮ pressed, the frame advance function is activated. **(Only for VR 6285.)**

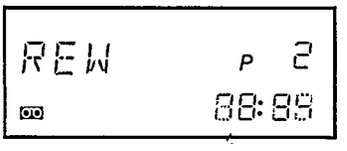
Important
a. *With some TV sets the still picture may be vertically unstable. If a vertical vibration is noticed in still pictures, proceed as follows:*
- *Take a recording which was made on your own video recorder.*
- *Press Play button ▷* **3.**
- *Press Still button ▮▮* **5.**
- *Press Auto Tracking button ▶◀* **13** *until the vibrations disappear.*

If the optimal position has been exceeded, repeat pressing Auto Tracking button ▶◀.
This adjustment, which aligns your video recorder with your TV set, only has to be done once.

b. *With hired cassettes of bad quality the* ***still*** *picture may be affected by horizontal bands of noise.*
It may not be possible to eliminate the noise bands completely.

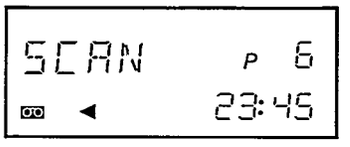
6 Rewind/Picture search reverse ◀◀/⏪
This button has a double function:

- Rewind ◀◀ - when the video recorder is **not** in any play or record function, pressing this button will make the cassette rewind at high speed.
The Display shows for example:



(If no cassette has been loaded 'CASS' is shown on the Display.)

- Picture search reverse ⏪ - when the video recorder is in any play or record function, pressing this button will play the cassette backwards at 7 times normal speed. This allows you to quickly find a particular scene.
In this mode the sound is muted.
The Display shows for example:



7 On/Standby I ⏻
Pressing this button switches the video recorder on or to standby.
When the video recorder is in standby the Display still shows the current time with reduced brightness (auto dimmer).

Note:
The video recorder should remain connected to the mains at all times to ensure that timed recordings can be made and to enable normal TV reception.

8 Eject ▲
Press this button to eject the cassette from its holder even if the tape is running.
When the video recorder is switched on, Display **1** shows 'CASS' and a pre-selection or channel number.

9 Search button
Press this button to search for a TV station during installation.
See Section 2 for more information.

10 Store
With this button you can store a TV station during installation.
See Section 2 for more information.

11 Set Clock ◕
Press this button to set the clock/calendar.
See Section 2 for more information.

12 C/P (Channel/Programme) selector
With this button you can switch between channel numbers and pre-selection (programme) numbers.
See Section 2 for more information.

13 Auto Tracking ▶◀
Press this button if the picture or sound is affected by disturbances during playback.
See Section 3 'General notes' for more information.

When a still picture is shown, this button can be used to eliminate vertical picture vibrations (see also description of Still button ▮▮ **5** in this section).

14 Reset X
This button has several functions:
- When the Display shows a tape counter value, pressing this button resets it to '0'.
- When setting the clock, the time is set to 20:00 hours, the year to 2000, the month to 1, and the date to 1.
- When programming a recording, pressing this button resets the start time to 20:00 hours and the stop time to the start time.
- The Reset button can also be used to cancel a programmed 'block' after selecting the required block on the Display.

15 Record ●
Press this button to start a recording.
The Display shows 'REC'.

See sections 4, 5 and 6 for more information.

16 Timer ◴
Press this button to program a video recording.
See Section 5 for more information.

17 and 18 Down + and Up —
With these buttons the following can be changed:
- pre-selection (programme) numbers
- channel numbers
- clock/calendar (in set clock mode)
- programming data (in timer mode).

24 Tape Counter Memory (only for VR 6285)
When Tape Counter Memory button **24** is pressed, the Display shows 'M'.
The video recorder will stop the tape at the memorized tape counter position during Fast Forward and Rewind modes.

Note:
The memorized position is cancelled if the Memory button is pressed again ('M' disappears in the Display).

BEFORE YOU CALL THE REPAIRMAN

9

Before calling the repairman here are some useful checks to make if things go wrong.
Unnecessary calls can be expensive, as well as frustrating.

Event and Possible Cause	Correction
Recording or playback not possible	
a Mains failure or video recorder not connected to the mains.	**a** Reconnect to mains (see Section 2).
b End of tape reached.	**b** Rewind or replace cassette.
c Cassette ejected automatically.	**c** Use an unprotected cassette.
d No cassette loaded.	**d** Load a cassette.
Recording quality is poor	
a Loose aerial cable.	**a** Connect aerial cable correctly (see Section 2).
b Cassette incorrectly stored.	**b** Use another cassette and store correctly (see Section 7).
c Weak transmitter signal.	**c** See your dealer.
d Poor quality cassette.	**d** Use another cassette.
Poor or no sound/picture on recorded cassette	
a Cassette incorrectly stored.	**a** Use another cassette and store correctly.
b TV channel reserved for video recorder on TV set not properly tuned.	**b** Retune TV channel (see Section 2).
c Tracking not optimal.	**c** Press Auto Tracking button ▶◀ **13**.
d Poor quality cassette.	**d** Use another cassette.
The video recorder will not function and does not respond to any button being pressed	
a A timed recording is taking place.	**a** Wait until the timed recording has taken place or see 'Clearing a block' in Section 5 if you want to cancel the timed recording.
b Conflicting commands have been given to the video recorder, or mains/aerial disturbance has caused the video recorder to stop functioning.	**b** Disconnect video recorder from the mains for half a minute and then reconnect to the mains.
TV station selected, but no picture is received	
a This TV station is not broadcasting at the moment.	**a** Select another TV station.
b Incorrect storage of TV station.	**b** Repeat search/store procedure (see Section 2).
No picture or sound when using a Eurocable	
a External input not selected on the TV.	**a** Select the correct external input on the TV.
b External input selected on the TV and on the video recorder (E).	**b** Select external input only on the TV set or only on the video recorder, depending on their use.
c Loose Eurocable.	**c** Connect Eurocable correctly (see Section 2).
d Wrong Eurocable used.	**d** Ask your dealer for advice.
Disturbed or noisy picture	
a Video recorder not connected to the mains.	**a** Check mains cable.
b 30-40 Channel adjuster **21** incorrectly adjusted.	**b** See Section 2.
Timed recording cannot be programmed	
a Actual time is later than programmed start and stop time.	**a** Program correct time.
b Previously programmed data not changed.	**b** Change data (see Section 5).
General note: If the recording or playback quality decreases, it might be that the video heads are dirty.	Please, consult your dealer for cleaning of the video heads.

TECHNICAL DATA* 10

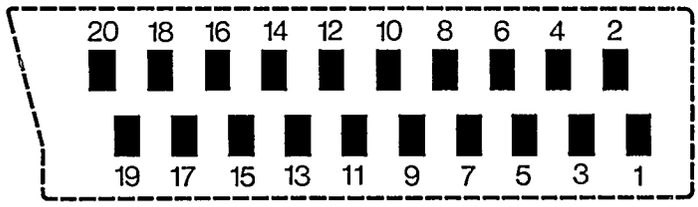
General	
Mains voltage	220 V ±10%
Mains frequency	48 to 52 Hz
Power consumption	24 W typical (10 W typ. in standby)
Wind/rewind time	300 sec. typical for E-180
Ambient temperature during operation	+10°C to +35°C
Humidity	30% to 80% RH
Dimensions	420 x 350 x 89 mm (incl. feet)
Weight	6.5 kg approx.
Position for use	max. 15° inclination on all sides
Number of pre-selections	48+ ext.
Number of programmable blocks	4
Number of days in advance	31 days or every day or every week
Video	
Input via Euroconnector or Cinch	1 Vpp +6 dB, —3 dB, 75 ohm
Output via Euroconnector or Cinch	1 Vpp, 75 ohm
Resolution	⩾3.1 MHz —26 dB)
Signal/noise ratio during playback	typical 47 dB (CCIR recomm. 567 Part C (⩾44 dB))
Audio	
Input via Euroconnector	>200 mVrms...2Vrms, 10 kOhm
Output via Euroconnector	500 mVrms ±3 dB, 1 kohm
Signal/noise ratio	⩾43 dB weighted (DIN 45500)
Harmonic distortion	<6%
Audio frequency response	80 to 10 000 Hz within 8 dB

*** Data subject to change without notice.**

If the video recorder is connected to the mains, part of it is in operation.
To switch off the video recorder completely, disconnect the mains lead.

Connector

Euroconnector



pin 1 - Audio right, out
pin 2 - Audio right, in
pin 3 - Audio left, out
pin 4 - Audio ground
pin 6 - Audio left, in
pin 8 - Status CVBS
pin 17 - Video ground
pin 18 - Video ground
pin 19 - CVBS out
pin 20 - CVBS in
pin 21 - Shielding

This product complies with the Radio Interference requirements of the Council Directive (82/499/EEC).

(GB)	**IDENTITY CARD**	This card together with the terms of guarantee (to be provided by your dealer) forms the full certificate of guarantee for this appliance
(D)	**GERATE-KENNKARTE**	Diese Karte ist zusammen mit den Garantiebestimmungen die Ihr Handler Ihnen aushandigt, Ihr Garantieschein fur dieses Gerat
(F)	**CARTE D'INDENTIFI-CATION**	Associee aux conditions de garantie (qui vous sont remises par le revendeur) cette carte constitue le certificat de garantie de cet appareil
(NL)	**INDENTIFI-CATIEKAART**	Deze kaart vormt samen met de garantievoorwaarden, welke door uw dealer verstrekt worden) het garantiebewijs voor dit apparaat
(I)	**CARTE D IDENTIFI-CAZIONE**	Questa cartolina rappresenta insieme alle condizioni di garanzia (da consegnare dal vostro rivenditore) il documento di garanzia per questo apparecchio
(E)	**TARJETA DE INDENTIFICACIÓN**	La garantia de este aparato se compone de esta tarjeta y de las condiciones de garantia que le entregara su concesionario
(P)	**CARTÃO DE INDENTIFICAÇÃO**	Este cartão em conjunto com as condições de garantia em vigor (explicadas pelo seu vendedor) constituem o certificado de garantia do seu aparelho
(DK)	**ID KORT**	Dette kort udfyldt af Deres forhandler er tilstrækkelig garantidokumentation for dette apparat
(N)	**IDENTIFIKA-SJOSKORT**	Dette kort sammen med garantibetingelsene (som De får av forhandleren) utgjør garantibeviset for dette apparat
(S)	**IDENTIFIERINGS-KORT**	Detta kort tillsammans med garantivillkoren, som Du får av radiohandlaren, utgör ett fullständigt garantibevis för denna produkt
(SF)	**TUNNISTUS-KORTTI**	Taman laitteen takuutodistus muodostuu tasta kortista ja takuuehdoista (ja leenmyyja antaa mukaan)
(GR)	**ΔΕΛΤΙΟ ΤΑΥΤΟΤΗΤΑΣ**	[illegible]

PHILIPS

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